

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Sutter Maintenance Yard Tisdale Bypass**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Sutter Maintenance Yard Tisdale Bypass

Waterway			Bank	Unit Miles
Unit No. 01 Tisdale Bypass			Left	4.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/05/2013 - 03/05/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Tisdale Bypass

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Tisdale Bypass				Left	4.50	03/05/2013 03/05/2013	Bob Duffey	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1				Operations & Maintenance Manuals	LS	A Ma		°	°	2
DWR ID: DWR_ST0009_01_s_2013_2										
2				Emergency Supplies & Equipment	LS	A Ma		°	°	4
DWR ID: DWR_ST0009_01_s_2013_4										
3				Flood Preparedness & Training	LS	A Ma		°	°	5
DWR ID: DWR_ST0009_01_s_2013_5										
4	1.46	1.46		Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.028237 ° -121.794834 °	39.028237 ° -121.794834 °	1 Y
DWR ID: DWR_ST0009_01_s_2013_1										
5	2.18	4.10		Encroachments	LS	M En	PO : Pole	39.028173 ° -121.781475 °	39.028012 ° -121.745665 °	3 Y
DWR ID: DWR_ST0009_01_s_2012_3										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.50	03/05/2013 03/05/2013	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	1.46
End Levee Mile	1.46
Location	Land Side
Category	
Item	Vegetation

View of the levee with native grasses on both slopes.

rduffey_s_20130312_312.JPG



Levee Mile Report Line	5
Start Levee Mile	2.18
End Levee Mile	4.10
Location	Land Side
Category	
Item	Encroachments

View of the PG&E poles along the landside crown of the levee.

rduffey_s_20130225_282.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Sutter Maintenance Yard Tisdale Bypass

Waterway			Bank	Unit Miles
Unit No. 02 Tisdale Bypass			Right	4.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/05/2013 - 03/05/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Tisdale Bypass

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass				Right	4.43	03/05/2013 03/05/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.11	0.25		Encroachments	LS	M	DT : Ditch	39.023760 °	39.024559 °	1
					En			-121.818875 °	-121.816344 °	Y
								DWR ID: DWR_ST0009_02_s_2012_1		
2	0.52	1.74		Encroachments	LS	M	DT : Ditch	39.025539 °	39.025398 °	2
					En			-121.811540 °	-121.789006 °	Y
								DWR ID: DWR_ST0009_02_s_2012_2		
3	1.01	1.01		Erosion / Bank Caving	WS	M	E1 : Note and monitor erosion site.	39.025542 °	39.025542 °	3
					Ma			-121.802468 °	-121.802468 °	Y
								DWR ID: DWR_ST0009_02_s_2012_3		
4	1.29	1.29		Erosion / Bank Caving	WS	M		39.025478 °	39.025478 °	4
					Ma			-121.797232 °	-121.797232 °	Y
								DWR ID: DWR_ST0009_02_s_2013_4		
5	1.50	1.50		Erosion / Bank Caving	WS	M		39.025446 °	39.025446 °	5
					Ma			-121.793347 °	-121.793347 °	Y
								DWR ID: DWR_ST0009_02_s_2013_5		
6	2.53	2.53		Animal Control	WSA/W	A3	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.025271 °	39.025271 °	7
					Ma			-121.774186 °	-121.774186 °	Y
								DWR ID: DWR_ST0009_02_f_2012_7		

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+ Issue Type

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/05/2013 03/05/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.11
End Levee Mile	0.25
Location	Land Side
Category	
Item	Encroachments
View of the agriculture ditch and erosion along the landside toe of the Levee.	
rduffey_s_20130225_283.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.52
End Levee Mile	1.74
Location	Land Side
Category	
Item	Encroachments
View of the ag ditch next to the L/S toe.	
rduffey_s_20130225_284.jpg	



Levee Mile Report Line	3
Start Levee Mile	1.01
End Levee Mile	1.01
Location	Water Side
Category	
Item	Erosion / Bank Caving
View of the erosion along the waterside toe of the levee.	
rduffey_s_20130225_285.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Tisdale Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/05/2013 03/05/2013	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	1.29
End Levee Mile	1.29
Location	Water Side
Category	
Item	Erosion / Bank Caving

View of the erosion along the waterside berm.

rduffey_s_20130312_310.JPG



Levee Mile Report Line	5
Start Levee Mile	1.50
End Levee Mile	1.50
Location	Water Side
Category	
Item	Erosion / Bank Caving

View of the erosion along the waterside berm

rduffey_s_20130312_311.JPG



Levee Mile Report Line	6
Start Levee Mile	2.53
End Levee Mile	2.53
Location	Water Side
Category	
Item	Animal Control

View of the rodent holes along the landside slope.

rduffey_s_20130225_286.JPG



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